
Lucenti


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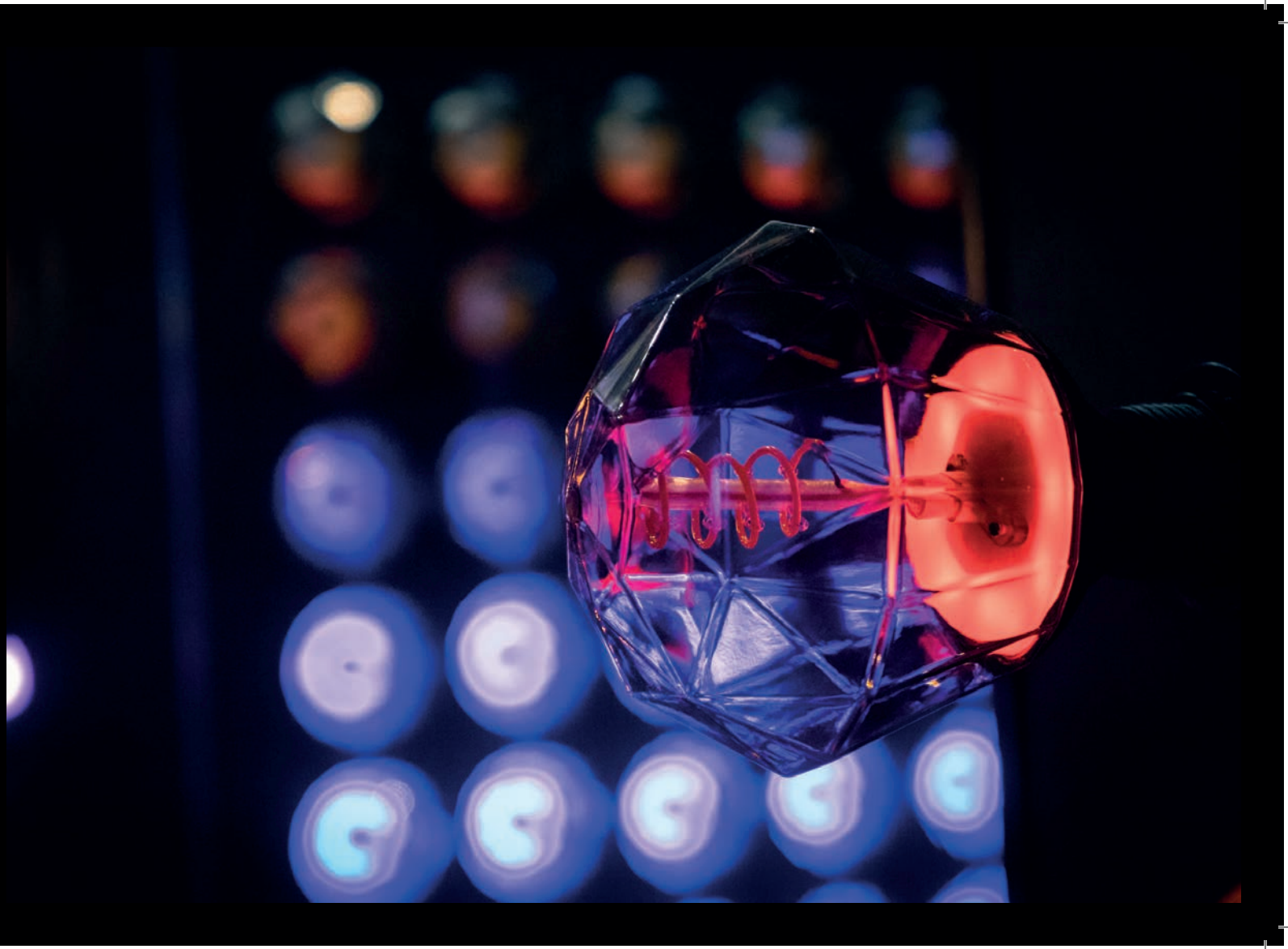


Where innovation meets creativity: smarter lighting through smart control systems

Lucenti brings you creative lighting solutions powered by smart connectivity. Our proprietary technologies—like the “Data-Over-Power” protocol used in the Vinci collection and the “PixlBus” protocol featured in the Blackwave collection—make advanced lighting easier than ever.

The Blackwave collection, based on our PixlBus protocol, offers connected pixel lighting that’s quick and simple to set up, whether for small-scale setups or large installations. The Flex collection adds flexible lighting options such as pixel LED strips and mini light dots—all fully compatible with the PixlBus protocol.

The Vinci collection focuses on creating rich atmospheres with individually controlled smart bulbs. Thanks to our innovative Data-Over-Power solution, these bulbs can be installed using standard two-wire systems—perfect for retrofitting existing setups with beautiful, intelligent lighting.

Collections



Blackwave



Vinci



Flex

BLACKWAVE COLLECTION

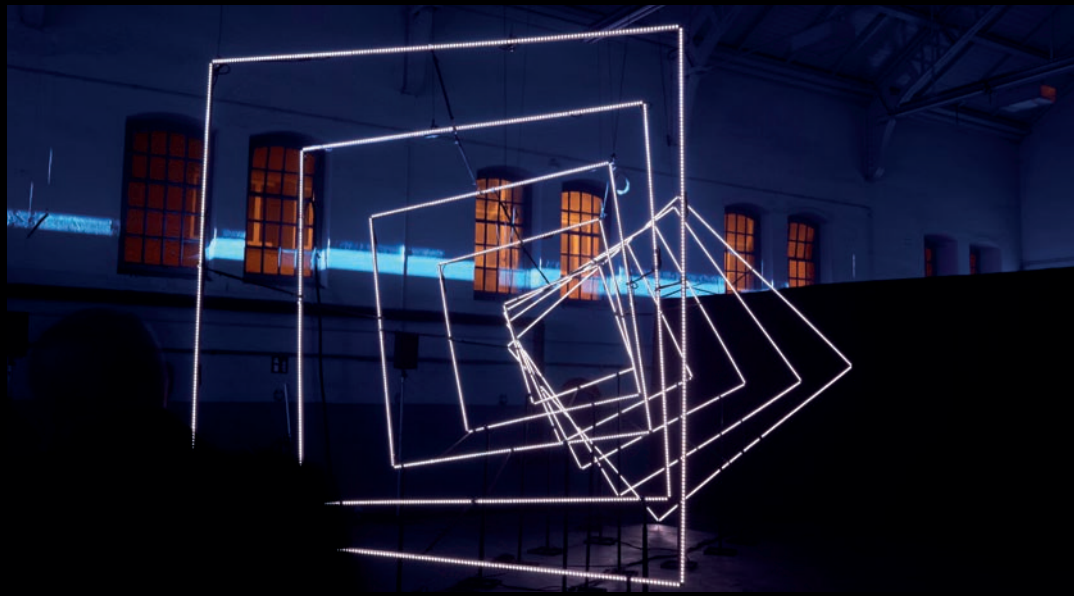








FOTO: FABIAN STROOBANTS – SET DESIGN: MORE TO SHOW





Lucenti introduces the PixlBus technology

PixlBus is our proprietary two-way protocol for pixel and creative lighting—built for fast setup, reliable performance, and real-time monitoring, even during live shows.

Plug-and-play setup

Auto-discovery and mapping of all connected devices with just one button click, reducing installation time dramatically.

Power + Data in one cable

Proprietary 4-pin cable delivers both power and data, simplifying wiring and reducing clutter.

High-speed communication:

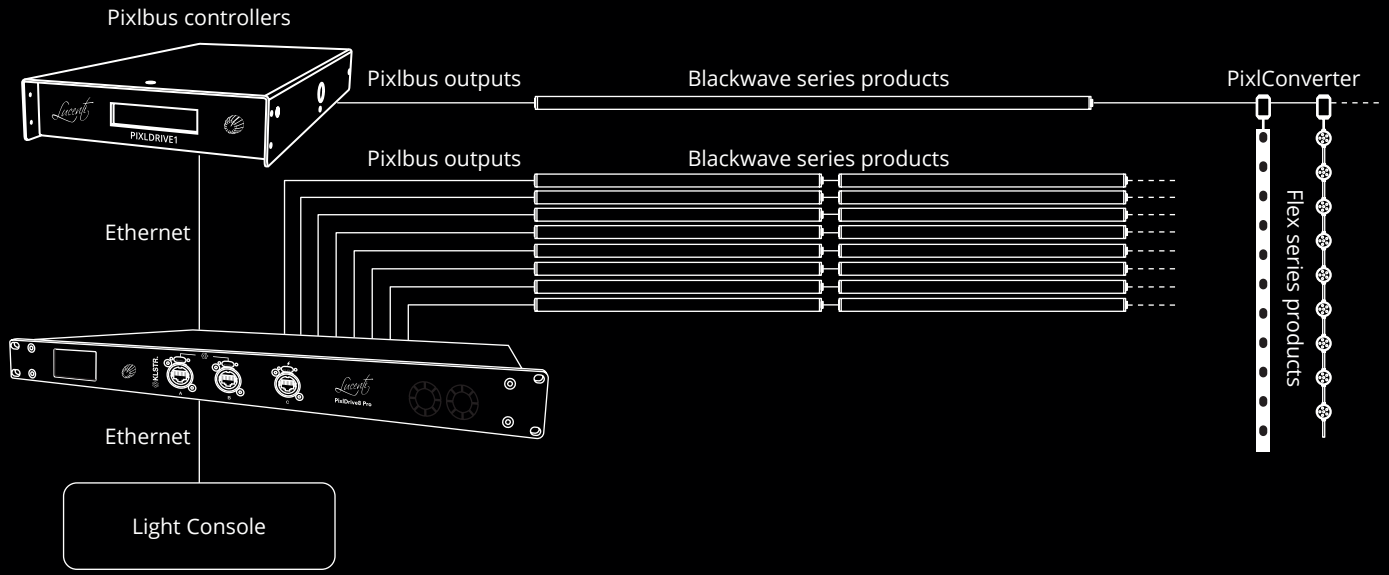
Sends pixel data at high framerates for smooth, responsive lighting effects.

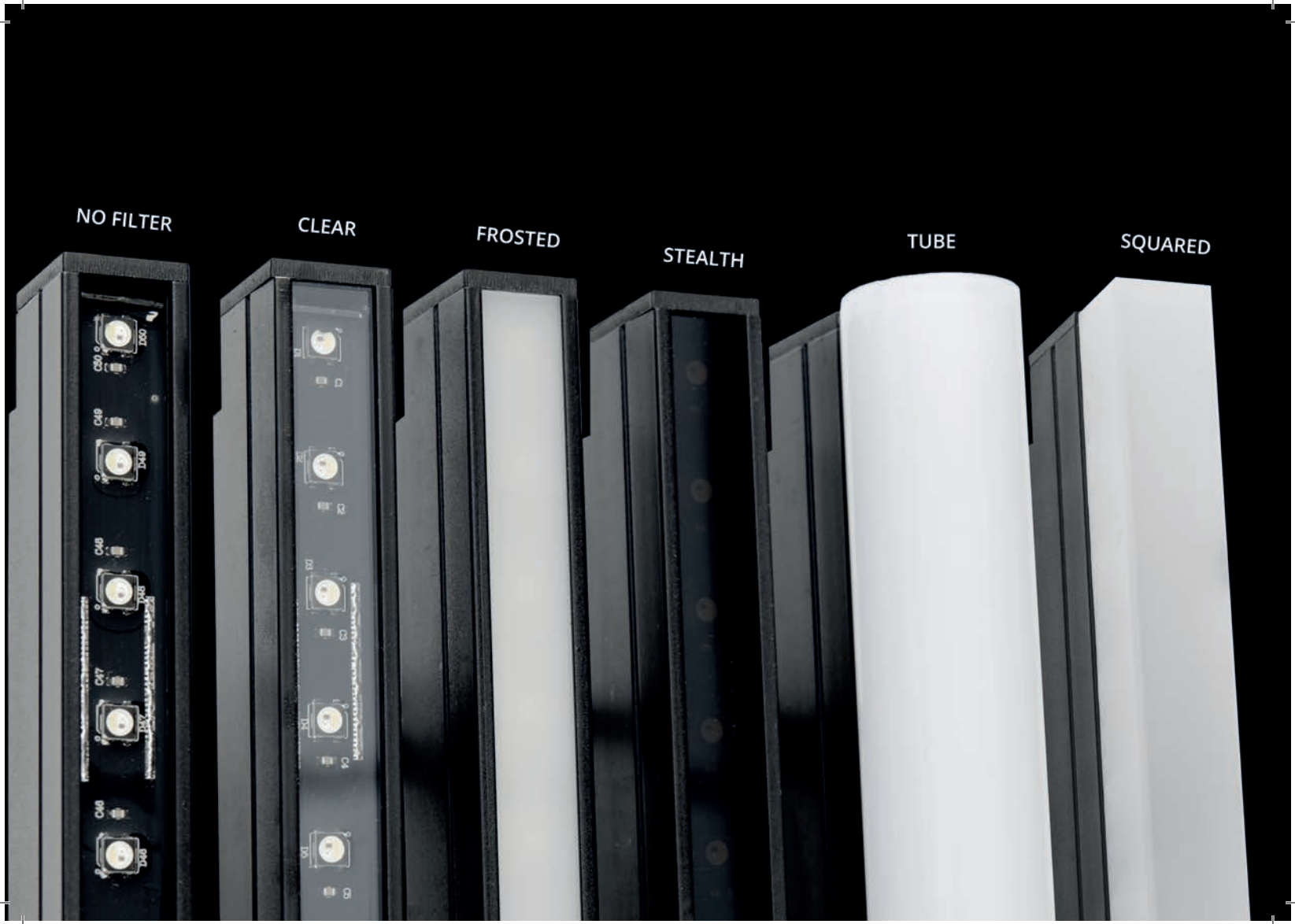
Perfect synchronization

Ensures all pixels stay in sync across all ports, across all controllers.

Scalable system capacity

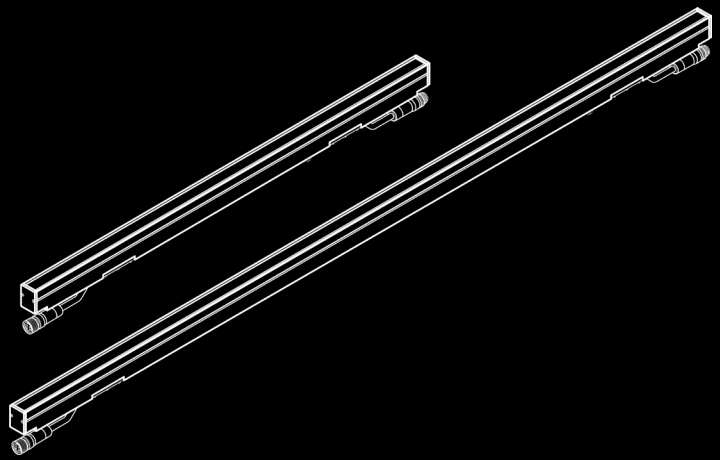
PixlDrive1: Supports up to 400 RGBW pixels / 200W
PixlDrive8 Pro: Supports up to 3200 RGBW pixels / 1600W


Pixlbus controllers
PIXLDRIVE1
Pixlbus outputs
Blackwave series products
PixlConverter
Pixlbus outputs
Blackwave series products
Ethernet
Flex series products
Ethernet
Light Console


NO FILTER
CLEAR
FROSTED
STEALTH
TUBE
SQUARED

BW 100 - BW 50

- RGBW LEDS
- PIXLBUS TECHNOLOGY
- SLIM DESIGN
- PIXEL CONTROLLED
- AUTO ADDRESS & DISCOVERY FUNCTION
- DAISY CHAINABLE
- BLACK, FROSTED AND CLEAR FILTERS
- ROUND AND SQUARE COVERS
- UP TO 60M CABLE DISTANCE
- MULTIPLE MOUNTING ACCESSORIES AVAILABLE
- CONTROL BY LUCENTI PIXLDRIVE CONTROLLERS



SPECS

LENGTH OPTIONS	1M / 50CM
LED/PIXEL COUNT	1M: 50 LEDS / 50CM: 25 LEDS
VOLTAGE	24V
WATTS	1M: 13W / 50CM: 6,5W
COLOR	RGBW


Pioneer DJ



PixlDrive1

- PIXLBUS OUTPUT
- STANDALONE MODE
- BUILT-IN EFFECTS
- AUTO DISCOVERY AND ADDRESSING
- WIFI INSIDE
- RESPONSIVE WEB INTERFACE
- 2 NETWORK PORT ALLOW DAISY CHAINING
- 400 RGBW PIXELS PER CONTROLLER



OUTPUT	1X PIXLBUS OUTPUT MAX 400 RGBW PIXELS
PROTOCOLS	LUCENTI PIXLBUS ART-NET 1 (BROADCAST) ART-NET 2, 3 AND 4 (UNICAST) SACN/E1.31 MULTICAST AND UNICAST
POWER	115-230V AC 50/60 HZ OVER POWERCON TRUE1
POWER SUPPLY	200W/24V DC
HOUSING	IP20 19 INCH 1/2U BRACKET AVAILABLE



PixlDrive8 Pro

- 8 PIXLBUS OUTPUTS
- KLSTR ON BOARD FOR AUTOMATED CONFIGURATION AND GDTF-BASED FIXTURE ID PATCH: SEE KLSTR. TECH
- POE FOR REMOTE MAINTENANCE AND LOG
- 3 X GIGABIT NETWORK
- KLSTR TOPOLOGY OVERVIEW, REDUNDANCY AND MONITORING THROUGH KLSTR.CTRL DESKTOP APP
- MERGE UP TO 4 SOURCES
- EASY DISCOVERY AND MONITORING OF LARGE SETUPS WITH MULTPLE CONTROLLERS



OUTPUT	8 X LUCENTI PIXLBUS OUTPUT PORTS 8X 400 RGBW PIXELS
PROTOCOLS	LUCENTI PIXLBUS ART-NET 1 (BROADCAST) ART-NET 2, 3 AND 4 (UNICAST) SACN/E1.31 MULTICAST AND UNICAST KLUSTR COMPATIBLE
POWER	115-230V AC 50/60 HZ OVER POWERCON TRUE1
POWER SUPPLY	1600W/24V DC OR 8 X 200W PER PORT
HOUSING	IP20 19 INCH 1U



VINCI COLLECTION











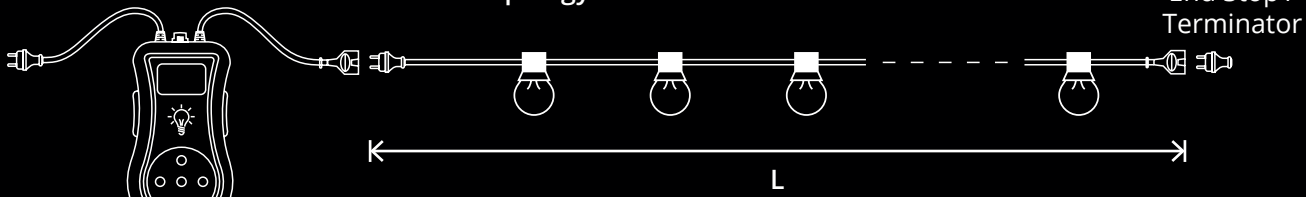


The Vinci Data-Over-Power technology

Lucenti has developed a proprietary Data-Over-Power (powerline communication) technology that enables lamp control without the need for additional data wiring. By transmitting data over the existing power lines, this solution allows you to upgrade to smart lighting using your current electrical infrastructure.

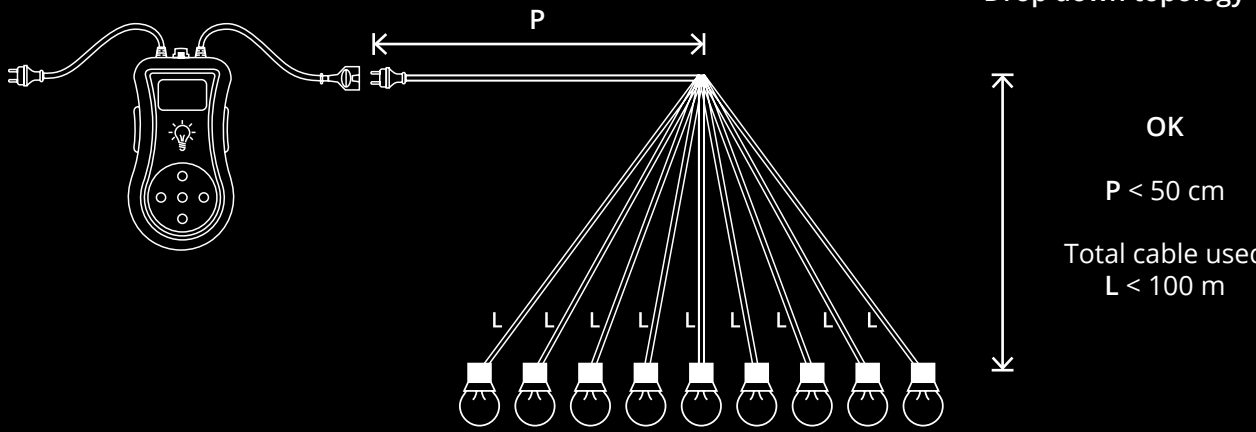
Our Data-Over-Power protocol can send 1 DMX universe at a framerate of 25Hz

- No additional data cables, Uses existing wiring Control lighting directly over standard power lines.
- Ideal for retrofits and renovations—no need to open walls.
- DMX compatible
- Supports one full DMX universe at 25Hz for smooth, dynamic lighting.
- Fast & cost-efficient setup
- Save time and reduce installation costs.



Bulbs count lower than 128 > total cable length (L): max 250m

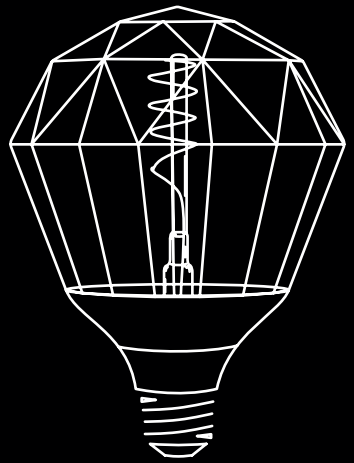
Bulbs count higher than 180 > NOT SUPPORTED





Pearl

- LED FILAMENT BULB AND RGB BACK LIGHT
- LUCENTI DATA-OVER-POWER PROTOCOL
- WEATHER RESISTANT IP65
- RETRO EDISON LOOK
- INDIVIDUALLY DIMMABLE
- RETROFIT
- MAX 250 METER LONG LINES: SEE CABLING CONSIDERATIONS FOR MORE DETAIL
- USE VINCI CONTROLLER TO CONTROL THE BULB
- DMX CONTROL / STANDALONE
- USE STANDARD SOCKET WIRING



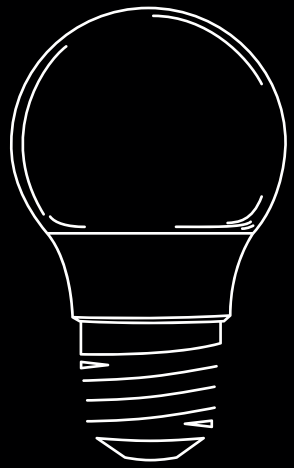
SPECS

BASE	E26 / E27
OUTDOOR USE	YES
VOLTAGE	220-240AC - 50/60Hz 110-120AC - 50/60Hz
CCT FILAMENT	2200 K
COLOR DEPTH	8 BIT / COLOR
PROTOCOL	VINCI Data-Over-Power
LIFE SPAN	15.000 HOURS



Topaz

- ALMOST UNBREAKABLE
- PERFECT FOR FESTOON MARKET
- WEATHER RESISTANT IP65
- OPAQUE FINISH
- LUCENTI DATA-OVER-POWER PROTOCOL
- INDIVIDUALLY DIMMABLE
- FULL RGBW LED COLORS
- RETROFIT
- MAX 250 METER LONG LINES : SEE CABLING CONSIDERATIONS FOR MORE DETAIL
- USE VINCI CONTROLLER TO CONTROL THE BULB
- DMX CONTROL / STANDALONE
- USE STANDARD SOCKET WIRING



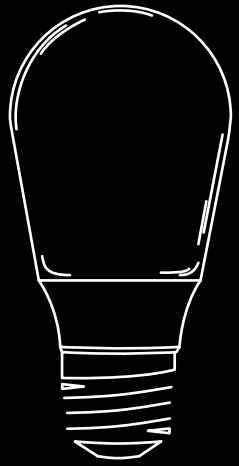
SPECS

BASE	E26 / E27
OUTDOOR USE	YES
VOLTAGE	220-240AC - 50/60Hz 110-120AC - 50/60Hz
WATTS	4W
COLOR DEPTH	8 BIT / COLOR RGBW
PROTOCOL	VINCI Data-Over-Power
LIFE	15.000 HOURS



Ruby

- ALMOST UNBREAKABLE
- PERFECT FOR FESTOON MARKET
- WEATHER RESISTANT IP65
- OPAQUE FINISH
- LUCENTI DATA-OVER-POWER PROTOCOL
- INDIVIDUALLY DIMMABLE
- FULL RGBW LED COLORS
- RETROFIT
- MAX 250 METER LONG LINES: SEE CABLING CONSIDERATIONS FOR MORE DETAIL
- USE VINCI CONTROLLER TO CONTROL THE BULB
- DMX CONTROL / STANDALONE
- USE STANDARD SOCKET WIRING

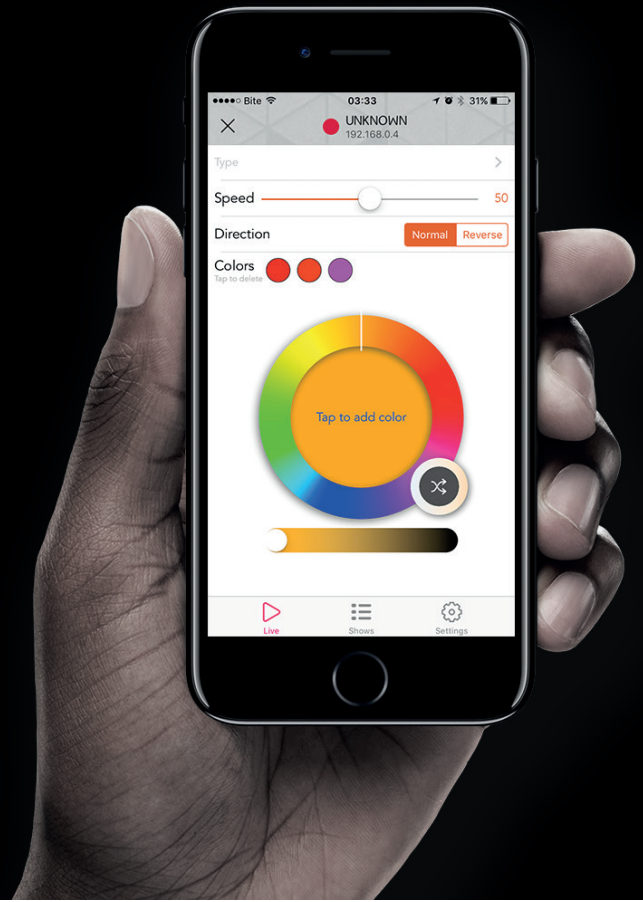


SPECS

BASE	E26 / E27
OUTDOOR USE	YES
VOLTAGE	220-240AC - 50/60Hz 110-120AC - 50/60Hz
WATTS	4W
PROTOCOL	VINCI Data-Over-Power
COLOR DEPTH	8 BIT / COLOR
LIFE	15.000 HOURS

GET IT ON Google Play

Download on the App Store



VINCI APP

FUNCTION	CONTROL INTERFACE FOR THE VINCI CONTROLLER
OPERATING SYSTEM	iOS & ANDROID
EFFECTS	PREBUILD IN APP
STANDALONE	LIGHT SHOWS
SHOWS	SCHEDULER
CONFIG	SETUP SYSTEM , ADDRESSING OF BULBS

VINCI CONTROLLER

USAGE	CONTROLLER FOR VINCI “DATA-OVER-POWER” BULBS
EFFECTS / SHOW	INTERNAL EFFECTS AND SHOW ENGINE FOR STANDALONE USE
PROTOCOLS	DMX IN + THROUGH VINCI DATA-OVER-POWER MAX 125 INDIVIDUAL CONTROLLABLE BULBS
ADDRESSING	MANUAL & AUTOMATIC
VOLTAGE/POWER	110-230VAC 50-60HZ MAX 16A THROUGHPUT
IP RATING	IP65








AMICORUM
FIRST AID

FLEX COLLECTION





PixlStripOne

- RGBW OUTDOOR IP66 LEDS, FULL SILICONE COATING
- 6 LEDS ARE GROUPED TO FORM A PIXEL
- CONTROLLABLE BY LUCENTI PIXLCONVERTER CONNECTED TO LUCENTI PIXLDRIVE
- UNIQUE AUTO ADDRESS AND PIXEL COUNT DETECTION
- UP TO 20M COMBINED ON A SINGLE PIXLDRIVE1 OR PIXLDRIVE8 PRO OUTPUT (200W) WITH 1 PIXLCONVERTER
- COVER ACCESSORIES: BLACK OR FROSTED
- ALU PROFILE AVAILABLE FOR MOUNTING





SPECS

LENGTH OPTIONS	120CM / 240CM / 480CM / 960CM
LED COUNT	120CM = 60 LEDS
PIXEL COUNT	120CM = 10 PIXELS (6 LEDS ARE 1 PIXEL)
VOLTAGE	24V
WATTS	1,2M: 12,50W - 1M: 10,4W
COLOR	RGBW, WHITE = 6000K
BENDING RADIUS	VERTICAL 30MM MAX. HORIZONTAL NOT BENDABLE





DOTs

- OUTDOOR RGBW PIXEL DOT, TO USE TOGETHER WITH LUCENTI PIXLCONVERTER AND PIXLDRIVES
- PIXLBUS TECHNOLOGY
- 110 RGBW PIXELS ON ONE OUTPUT PORT OF A PIXLCONVERTER
- MULTIPLE PIXLCONVERTERS CAN BE DAISY CHAINED
- AUTO ADDRESS AND PIXEL COUNT FUNCTION
- MOUNTING: BLACK ALU PROFILE OR INDIVIDUAL MOUNTING BRACKET

SPECS

LENGTH OPTIONS	120CM / 240CM / 480CM / 960CM
LED COUNT	120CM 60 LEDS
PIXEL COUNT	2 METER, 10 DOTS WITH 20CM PITCH OR 5 METER, 25 DOTS WITH 20CM PITCH (1 DOT = 1 PIXEL)
VOLTAGE	24V
WATTS	1,8 W / DOT 2 METER VERSION = 18W 5 METER VERSION = 45W
COLOR	RGBW, WHITE = 6000K
SIZE DOT	DIAMETER: ±40MM, THICKNESS: 14MM



PixlConverter

- PIXLBUS TECHNOLOGY
- CONTROLS LUCENTI FLEX PRODUCTS
- AUTO SETUP: DETECTION OF NUMBER OF CONNECTED PIXELS
- OUTPUT CURRENT MEASUREMENT
- OUTPUT CURRENT PROTECTION
- UP TO 16 PIXLCONVERTERS (MAX 200W AND 30M OF EXTENSION CABLE IN TOTAL) CAN BE DAISY CHAINED
- USE TOGETHER WITH PIXLDRIVE CONTROLLERS





SPECS

IP RATING	IP66
VOLTAGE	24V
MAX POWER	200W
SIGNAL	PIXLBUS IN/OUT



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